

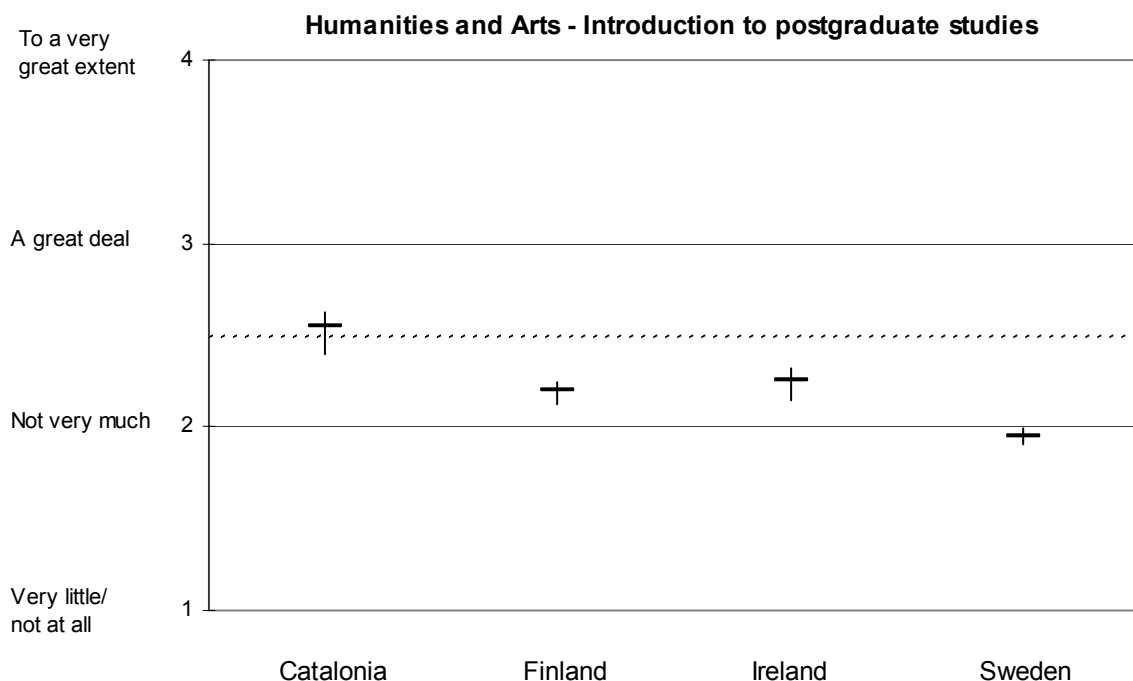
Confidence intervals – Country and Subject fields

1. Method

A procedure for calculation of confidence intervals, which draw upon the variability in the observed data, was developed. The facility of the Mplus program to use the so called Bootstrap technique was applied in a dummy regression model with an international scale as the outcome variable and three out of four dummy variables representing the countries as independent variables.

Results for each of six subject fields (Education was collapsed into the Social Science stratum) are available and below you find an example for Humanities and Arts and Introduction to postgraduate education.

Humanities and Arts			
Introduction to postgraduate studies			
	low 95%	mean	high 95%
Catalonia	2,40	2,55	2,62
Finland	2,13	2,20	2,24
Ireland	2,14	2,26	2,32
Sweden	1,91	1,95	1,99



This diagram show clearly that Catalonia is significantly more positive, having a mean position above the balance point 2.5, than Finland and Ireland in their view on the Introduction to postgraduate education, whereas Sweden on the other hand deviates from these two countries with a significantly lower level, showing a mean level at 1.95. About the confidence intervals they are not symmetric as they use the empirical distribution generated by the Bootstrap procedure based on 1,000 samples to find out where 2.5 % cutting points are. The confidence level is 95 % with 2.5 % below the lower boundary and 2.5 % above the upper boundary.

Tables**Humanities and Arts**

Humanities and Arts			
<i>Introduction to postgraduate studies</i>			
	low 95%	mean	high 95%
Catalonia	2,40	2,55	2,62
Finland	2,13	2,20	2,24
Ireland	2,14	2,26	2,32
Sweden	1,91	1,95	1,99
<i>Professional development</i>			
Catalonia	2,69	2,85	2,93
Finland	2,83	2,90	2,94
Ireland	2,45	2,57	2,62
Sweden	2,91	2,96	2,99
<i>Dialogue with supervisors</i>			
Catalonia	2,33	2,57	2,70
Finland	2,34	2,43	2,47
Ireland	2,55	2,69	2,76
Sweden	2,47	2,52	2,56
<i>Supervision in action</i>			
Catalonia	3,31	3,47	3,54
Finland	3,30	3,38	3,43
Ireland	3,44	3,57	3,63
Sweden	3,31	3,37	3,41
<i>Relevance of taught courses</i>			
Catalonia	2,38	2,50	2,61
Finland	2,45	2,50	2,56
Sweden	2,56	2,60	2,64
<i>Reflection and values</i>			
Catalonia	2,61	2,78	2,86
Finland	2,42	2,49	2,54
Ireland	2,32	2,45	2,52
Sweden	2,63	2,68	2,72
<i>Study environments</i>			
Catalonia	2,02	2,18	2,26
Finland	2,34	2,41	2,45
Ireland	2,20	2,33	2,40
Sweden	2,36	2,42	2,46

Social sciences, Business and Law

Social sciences, Business and Law			
<i>Introduction to postgraduate studies</i>			
	low 95%	mean	high 95%
Catalonia	2,58	2,68	2,73
Finland	2,17	2,22	2,25
Ireland	1,97	2,09	2,15
Sweden	1,99	2,03	2,06
<i>Professional development</i>			
Catalonia	2,89	2,99	3,05
Finland	2,86	2,90	2,94
Ireland	2,81	2,93	2,98
Sweden	3,01	3,05	3,07
<i>Dialogue with supervisors</i>			
Catalonia	2,14	2,29	2,39
Finland	2,34	2,39	2,43
Ireland	2,57	2,70	2,76
Sweden	2,56	2,60	2,63
<i>Supervision in action</i>			
Catalonia	3,33	3,43	3,47
Finland	3,26	3,32	3,36
Ireland	3,37	3,50	3,55
Sweden	3,29	3,33	3,37
<i>Relevance of taught courses</i>			
Catalonia	2,38	2,50	2,61
Finland	2,45	2,50	2,56
Sweden	2,56	2,60	2,64
<i>Reflection and values</i>			
Catalonia	2,78	2,87	2,93
Finland	2,35	2,39	2,43
Ireland	2,25	2,35	2,42
Sweden	2,64	2,67	2,71
<i>Study environments</i>			
Catalonia	2,11	2,21	2,28
Finland	2,37	2,42	2,45
Ireland	2,07	2,18	2,24
Sweden	2,42	2,46	2,49

Science, Mathematics and Computing

Science, Mathematics and Computing			
<i>Introduction to postgraduate studies</i>			
	low 95%	mean	high 95%
Catalonia	2,16	2,29	2,37
Finland	2,09	2,13	2,16
Ireland	1,93	1,99	2,04
Sweden	2,05	2,08	2,12
<i>Professional development</i>			
Catalonia	2,76	2,89	2,97
Finland	2,72	2,75	2,78
Ireland	2,94	2,99	3,03
Sweden	2,86	2,89	2,92
<i>Dialogue with supervisors</i>			
Catalonia	2,58	2,75	2,84
Finland	2,44	2,49	2,53
Ireland	2,58	2,66	2,71
Sweden	2,62	2,66	2,70
<i>Supervision in action</i>			
Catalonia	3,15	3,30	3,39
Finland	3,19	3,24	3,27
Ireland	3,29	3,37	3,42
Sweden	3,21	3,26	3,30
<i>Relevance of taught courses</i>			
Catalonia	2,14	2,22	2,31
Finland	2,63	2,66	2,69
Sweden	2,73	2,76	2,79
<i>Reflection and values</i>			
Catalonia	2,32	2,45	2,53
Finland	1,95	1,99	2,02
Ireland	2,09	2,15	2,21
Sweden	2,19	2,22	2,25
<i>Study environments</i>			
Catalonia	2,31	2,43	2,50
Finland	2,47	2,51	2,54
Ireland	2,19	2,26	2,30
Sweden	2,55	2,59	2,62

Engineering, Manufacturing and Construction

Engineering, Manufacturing and Construction			
<i>Introduction to postgraduate studies</i>			
	low 95%	mean	high 95%
Catalonia	2,27	2,45	2,53
Finland	2,15	2,20	2,24
Ireland	1,92	2,04	2,11
Sweden	1,99	2,02	2,05
<i>Professional development</i>			
Catalonia	2,81	2,98	3,06
Finland	2,62	2,67	2,71
Ireland	2,76	2,90	2,97
Sweden	2,82	2,86	2,88
<i>Dialogue with supervisors</i>			
Catalonia	2,51	2,72	2,82
Finland	2,18	2,24	2,28
Ireland	2,49	2,66	2,74
Sweden	2,53	2,57	2,60
<i>Supervision in action</i>			
Catalonia	3,13	3,32	3,39
Finland	3,29	3,35	3,39
Ireland	3,28	3,45	3,52
Sweden	3,16	3,21	3,24
<i>Relevance of taught courses</i>			
Catalonia	2,35	2,47	2,59
Finland	2,61	2,65	2,69
Sweden	2,71	2,74	2,77
<i>Reflection and values</i>			
Catalonia	2,41	2,56	2,64
Finland	2,00	2,05	2,09
Ireland	2,02	2,14	2,21
Sweden	2,30	2,33	2,36
<i>Study environments</i>			
Catalonia	2,29	2,47	2,56
Finland	2,44	2,49	2,53
Ireland	2,21	2,35	2,42

Health and Welfare

Health and Welfare			
<i>Introduction to postgraduate studies</i>			
	low 95%	mean	high 95%
Catalonia	2,04	2,22	2,29
Finland	2,11	2,16	2,20
Ireland	1,78	1,99	2,07
Sweden	1,90	1,94	1,96
<i>Professional development</i>			
Catalonia	2,60	2,81	2,89
Finland	2,72	2,78	2,81
Ireland	2,85	3,12	3,17
Sweden	2,98	3,01	3,04
<i>Dialogue with supervisors</i>			
Catalonia	2,27	2,55	2,69
Finland	2,49	2,55	2,59
Ireland	2,34	2,64	2,72
Sweden	2,71	2,75	2,78
<i>Supervision in action</i>			
Catalonia	3,20	3,41	3,47
Finland	3,21	3,28	3,32
Ireland	3,14	3,46	3,54
Sweden	3,22	3,26	3,30
<i>Relevance of taught courses</i>			
Catalonia	1,95	2,06	2,18
Finland	2,64	2,68	2,71
Sweden	2,62	2,66	2,68
<i>Reflection and values</i>			
Catalonia	2,16	2,35	2,46
Finland	2,05	2,10	2,14
Ireland	2,05	2,29	2,40
Sweden	2,25	2,29	2,31
<i>Study environments</i>			
Catalonia	2,12	2,32	2,42
Finland	2,51	2,56	2,60
Ireland	1,98	2,23	2,32
Sweden	2,47	2,51	2,53